

## ABSTRACT

**Drum for an excavator that can be used in particular for the production of vertical trenches in hard or very hard soils**

Excavator drum for the production of vertical trenches, comprising a cylindrical shell (22) mounted so as to rotate about its axis of revolution and a plurality of excavating tools (28, 30) mounted on the external face of the said shell.

The tools comprise a plurality of first rollers (36) equipped with cutting elements (38) mounted so as to rotate about axes, the mid-plane of the rollers substantially merging with the mid-plane (P-P') of the shell, and the length of which is less than the length of the shell; and

- a plurality of pairs of second rollers (50, 52) equipped with cutting elements, the rollers of the same pair being mounted so as to rotate about cantilever axles (54, 56), each roller having a length at least equal to the distance that separates one end of a first roller from the corresponding end of the shell, the casing of the external end of the second rollers being at least in the plane containing one end (32, 34) of the shell.

Figure 3